



Porter-Cable 382 Fan Replacement

This guide will show you how to properly disassemble your device and replace the fan which may be damaged or not working properly.

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INTRODUCTION

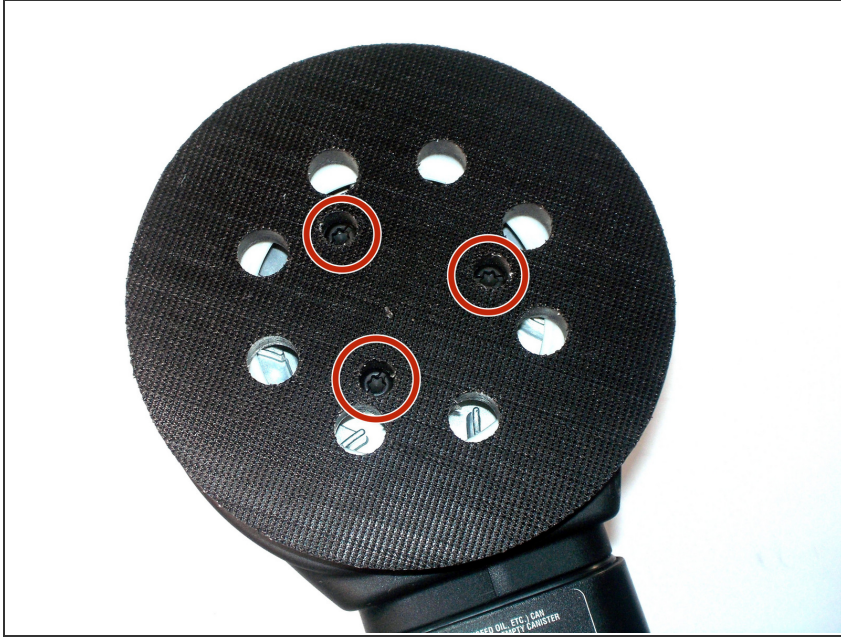
This guide will require you to first follow the steps to disassemble the sander pad as well as the dust seal/ brake. You will then have to disassemble the outer guard to access the fan in order for it to be replaced.



TOOLS:

- [T20 Torx Screwdriver](#) (1)
 - [T15 Torx Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Sander Pad



- When changing the sander pad, be sure to rotate the sander upside down so the pad and three highlighted screws are facing upward toward you.
- Once the sander is upside down begin by removing your old sandpaper.
- Once the sandpaper is removed locate the three screws on your sander pad.

Step 2



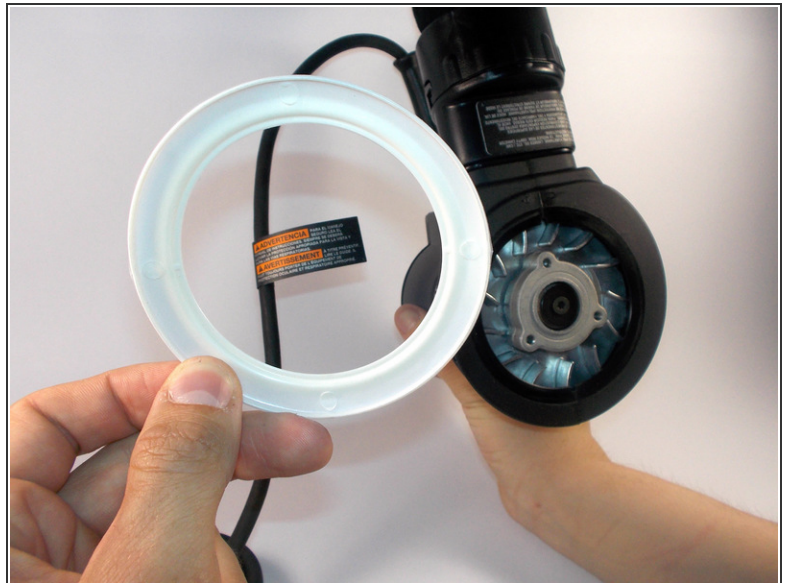
- Remove the three, (star bolt) screws with the iFixit screw driver with a "T20" head. Be sure to hold the pad of the sander as it will rotate as you try to loosen the screws.
- Once the screws are removed pull upward toward you and the sander pad will come apart from the device.

Step 3 — Dust Seal/ Break



- Once the sander pad is removed and the sander is exposed locate the white plastic like circular piece surrounding the outside of the sander.

Step 4



- Once you have located the plastic white ring pull up its outer edge as shown. The lip on the inside will bend and be freed from its secured placement.
- ☑ To reassemble, you will have to line up the protruding square with the key slot as shown otherwise your dust seal/ brake will not go back in.

Step 5 — Fan



- Once the dust brake/ seal is removed locate the screw in the center of the device holding down the bearing and fan assembly.
- unscrew this bolt using a T20 star bit and carefully remove the washer and bearing as shown.

Step 6



- Next locate the bolts holding down the guard assembly as shown. There will be one bolt on each side, two in total.
- Using a T15 star bit unscrew these bolts and make sure you keep them in a safe place.

Step 7



- Once the two screws are removed locate the o-ring that seals the dust collector to its opening.
- Very delicately pry the o-ring out of its slot using a nylon spudger or plastic opening tool. Then roll it off of the opening as shown.

Step 8



- Now the two guards will come apart as shown, giving you access to the fan.
- ✦ During reassembly, the two guards will line up so that the dust collector opening lines up with the power cord as shown.

Step 9



- The fan can then simply be pulled from its axle and be replaced with the fan blades facing up.

To reassemble your device, follow these instructions in reverse order.

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